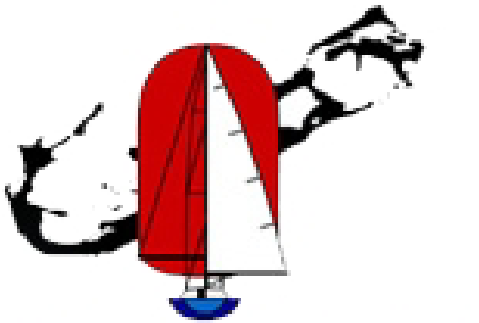
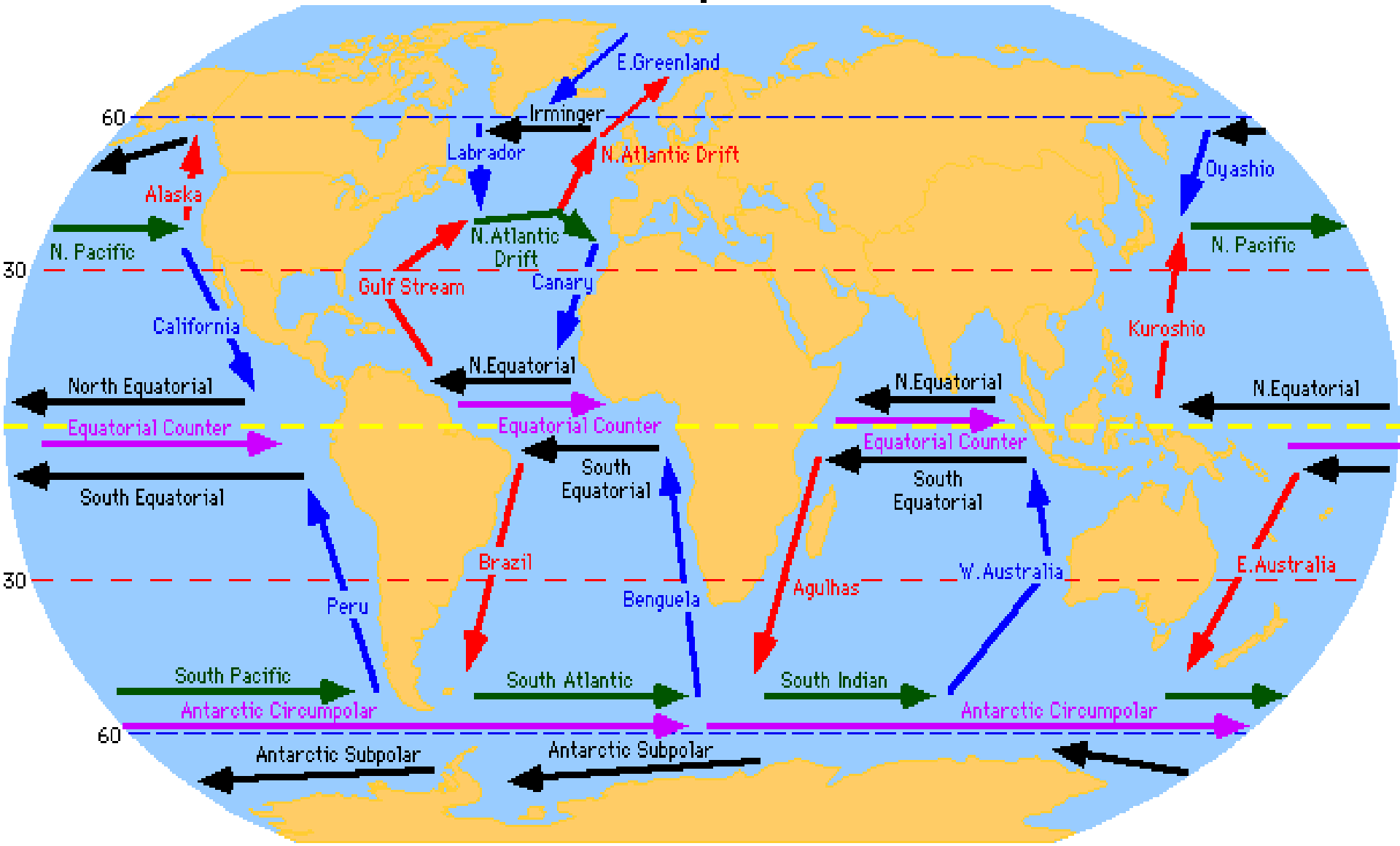


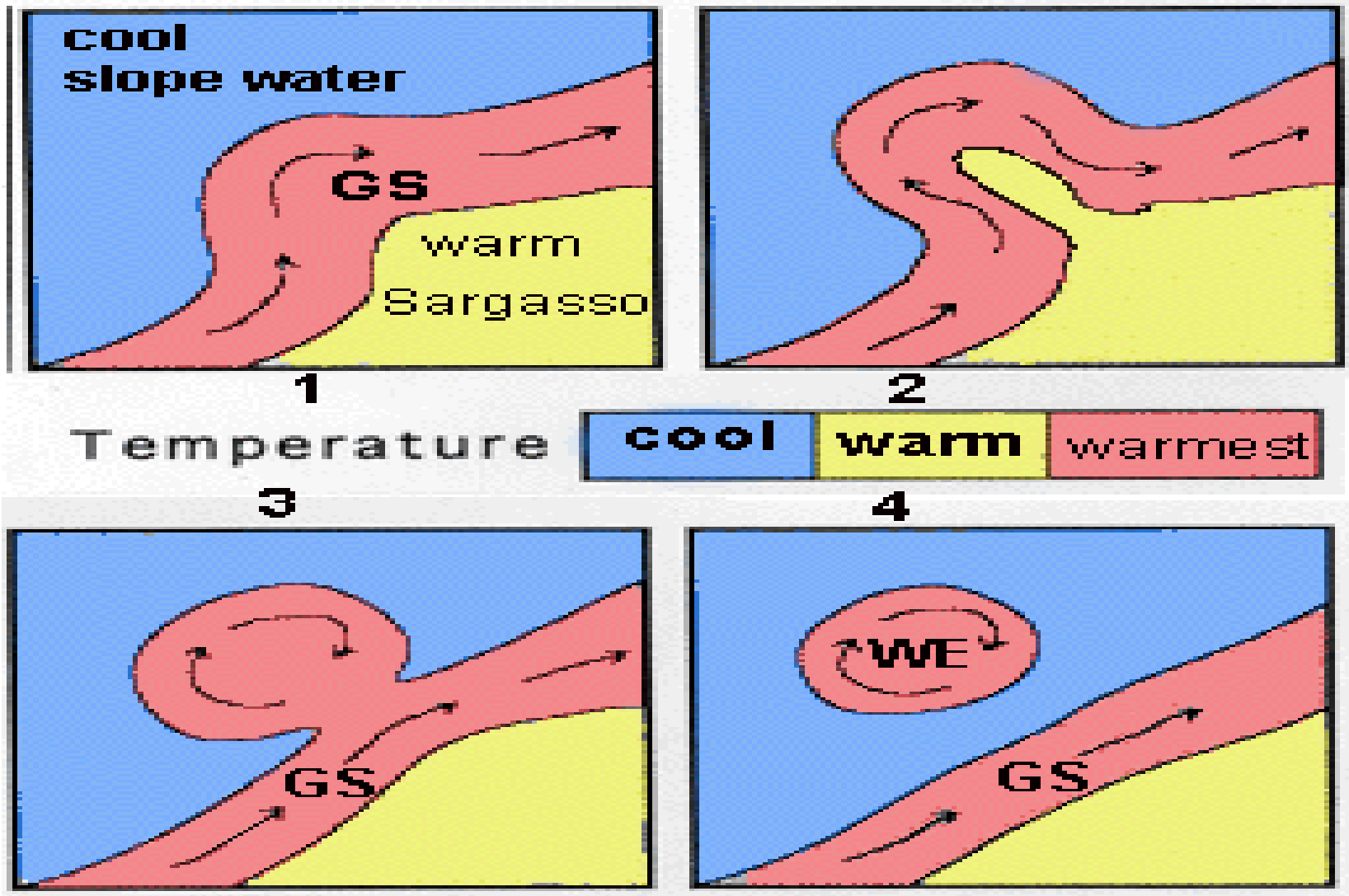
June 9th 2006

SAFETY-AT-SEA OCEAN BRIEFING

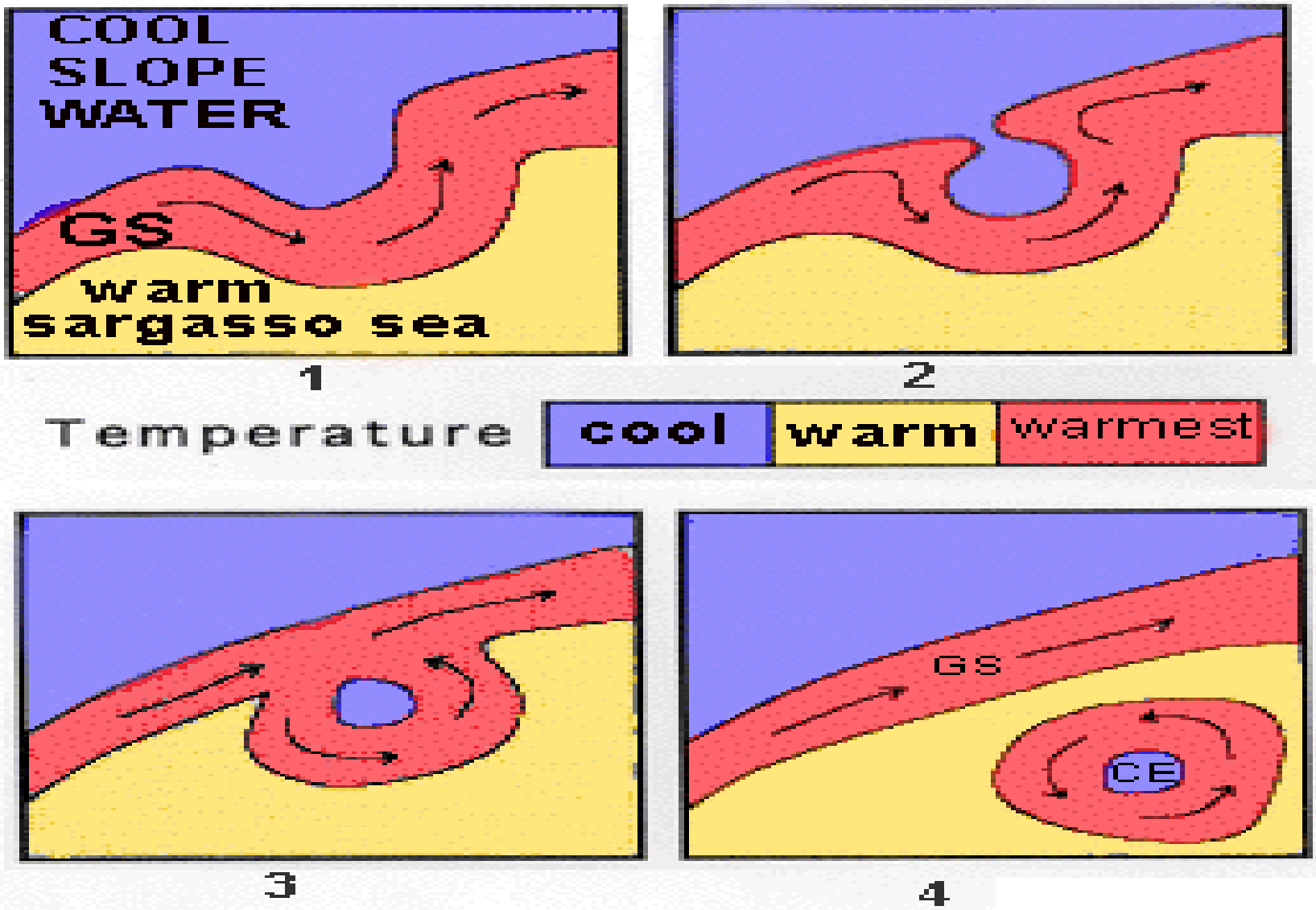
BY JENIFER CLARK

Robinson Projection

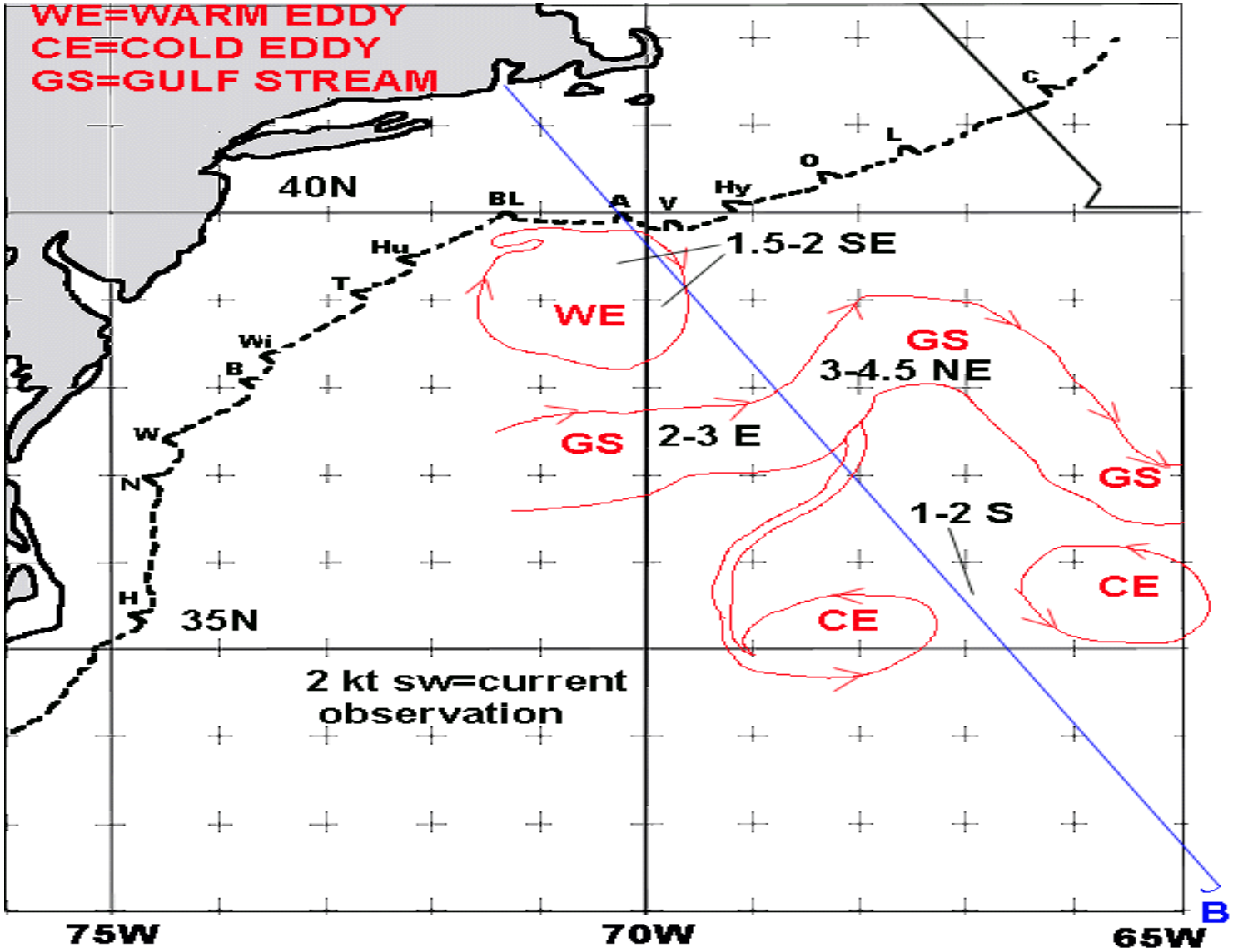




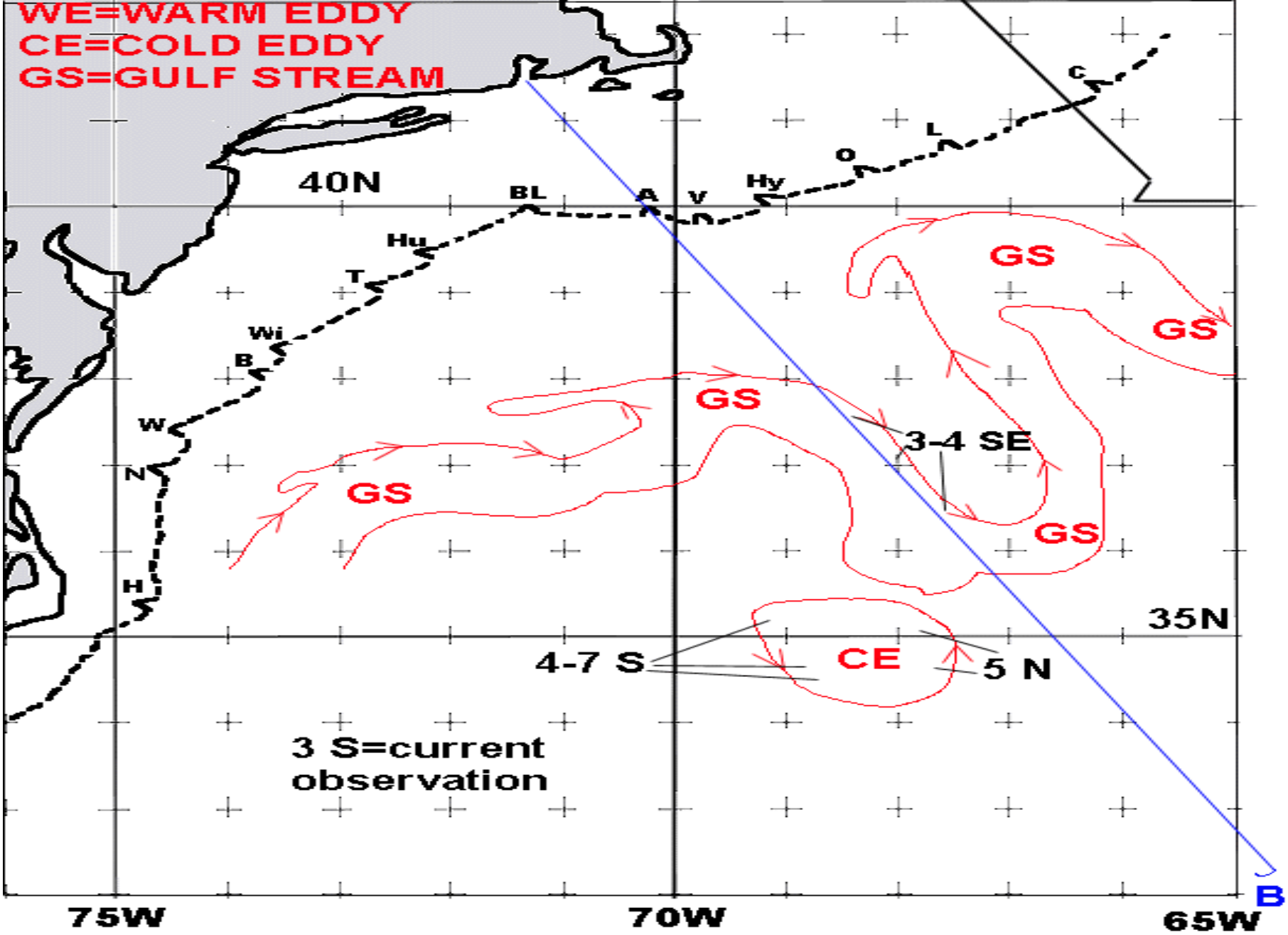
WARM EDDY FORMATION



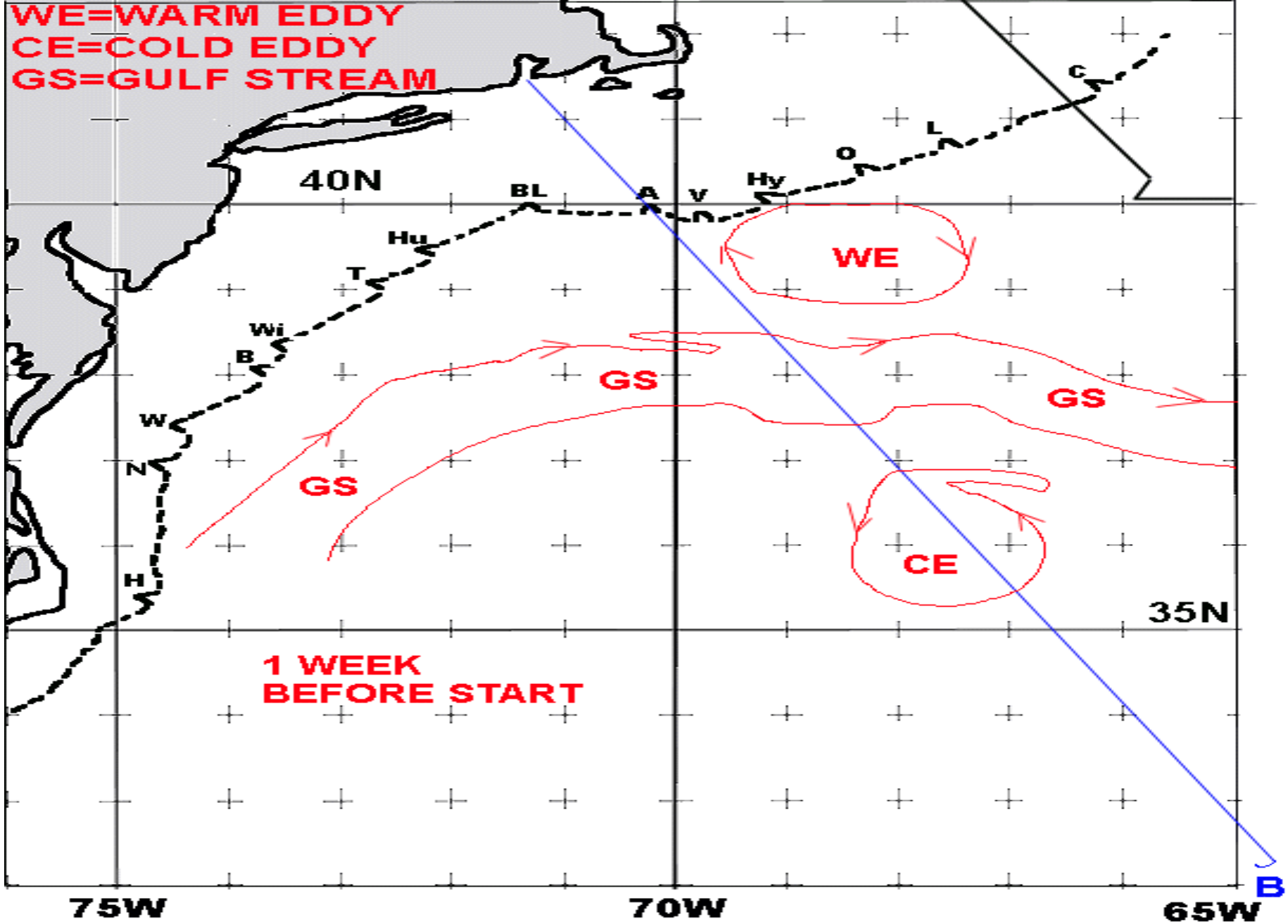
COLD EDDY FORMATION



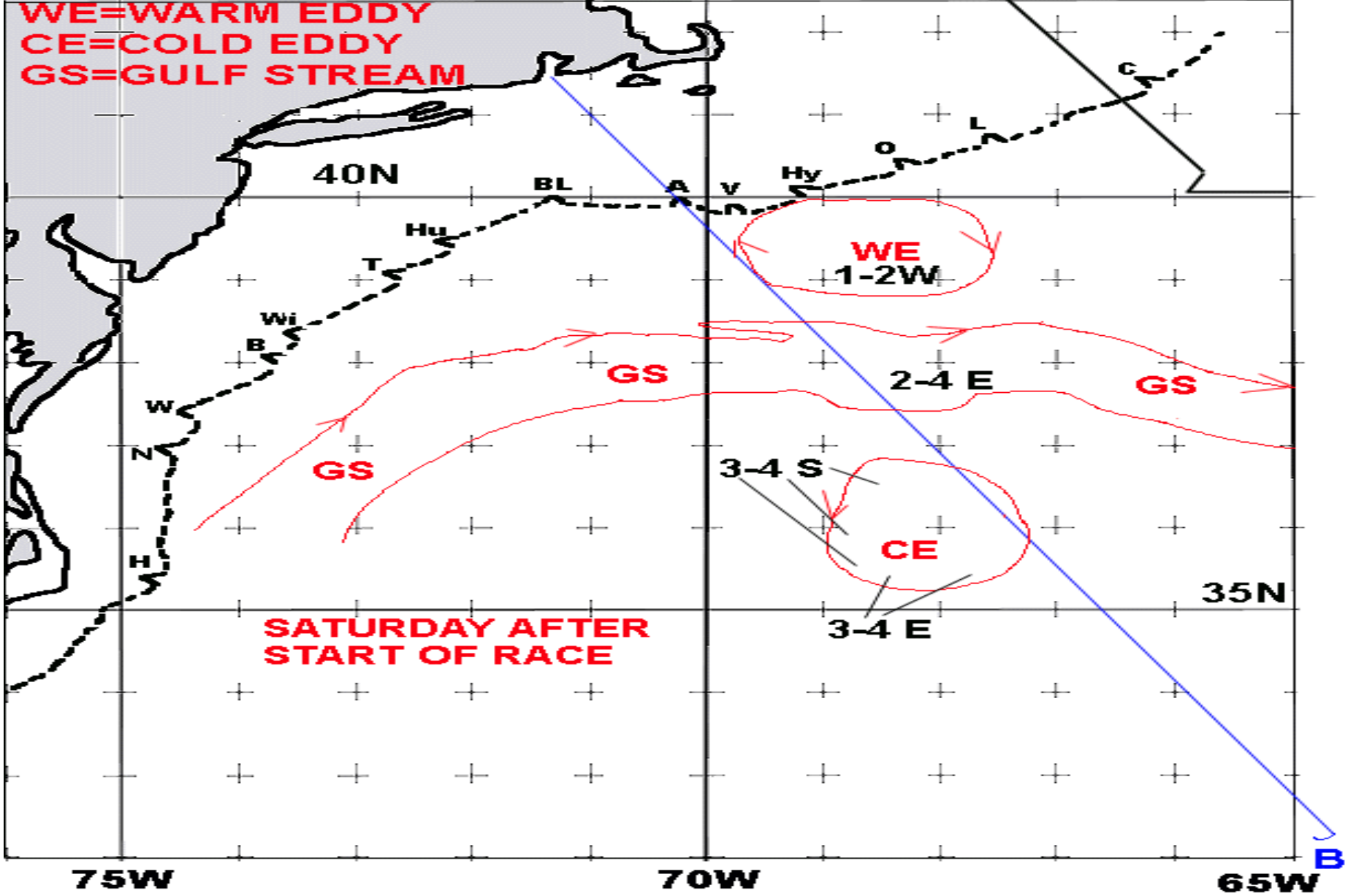
1980 Newport-Bermuda Yacht Race



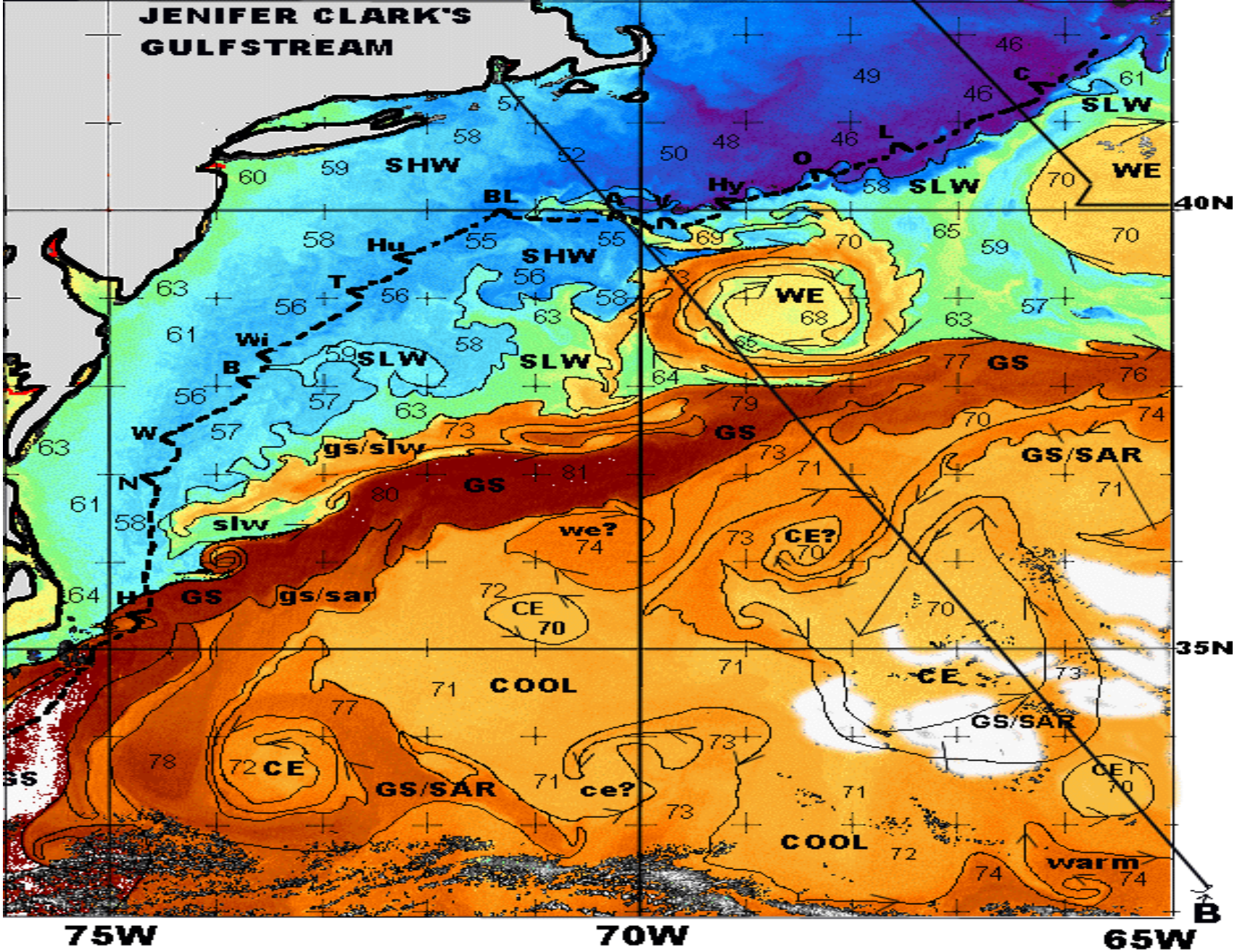
1984 NEWPORT TO BERMUDA YACHT RACE

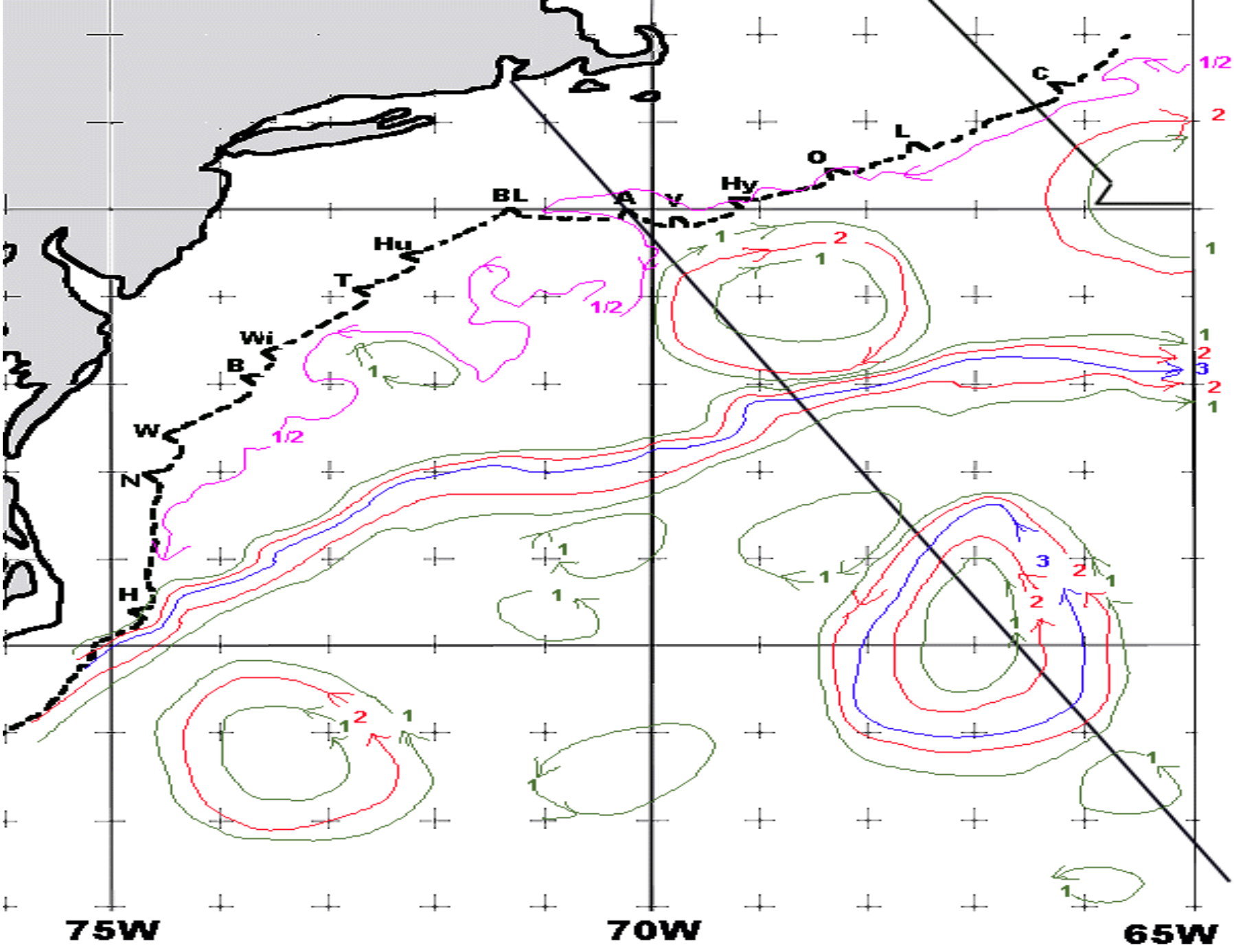


1986 NEWPORT TO BERMUDA YACHT RACE

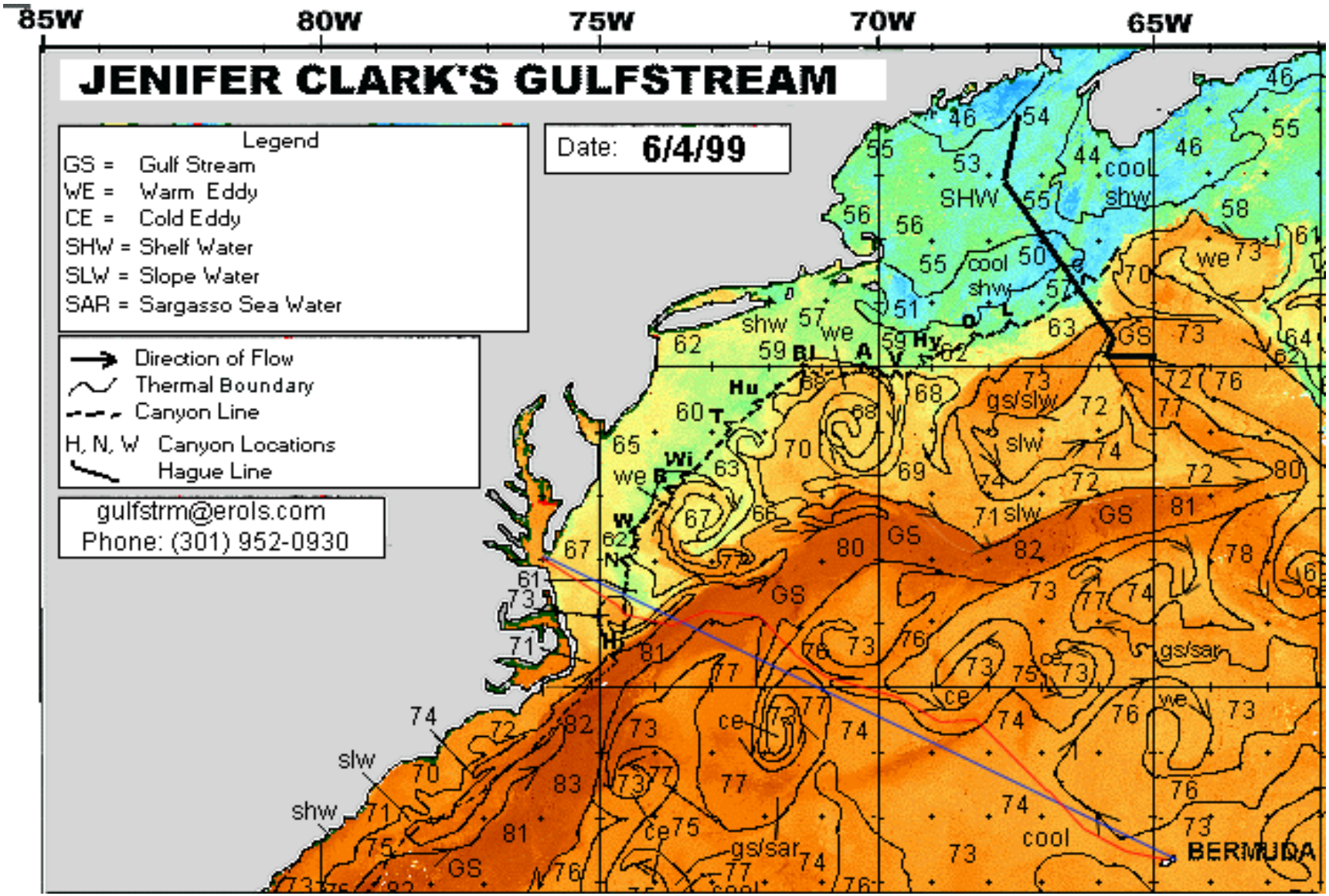


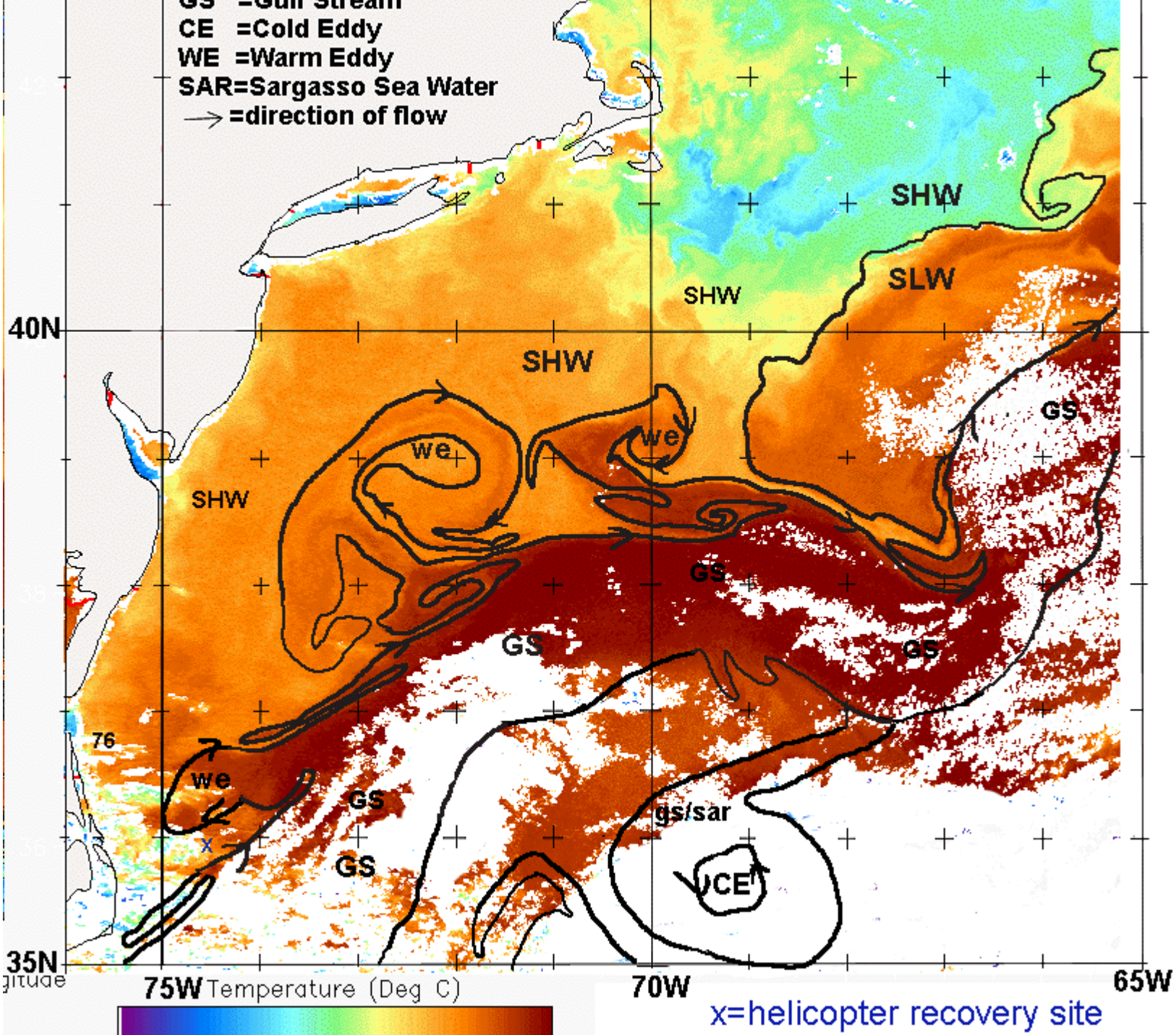
1986 NEWPORT TO BERMUDA YACHT RACE


JENIFER CLARK'S
GULFSTREAM
SHW
SLW
WE
GS
GS/SAR
gs/slw
slw
gs/sar
we?
CE?
CE
COOL
ce?
warm
BL
Hu
T
Wi
B
W
N
H
Hy
O
L
C
40N
35N
75W
70W
65W
B
Temperature (Deg C)
10
15
20
25

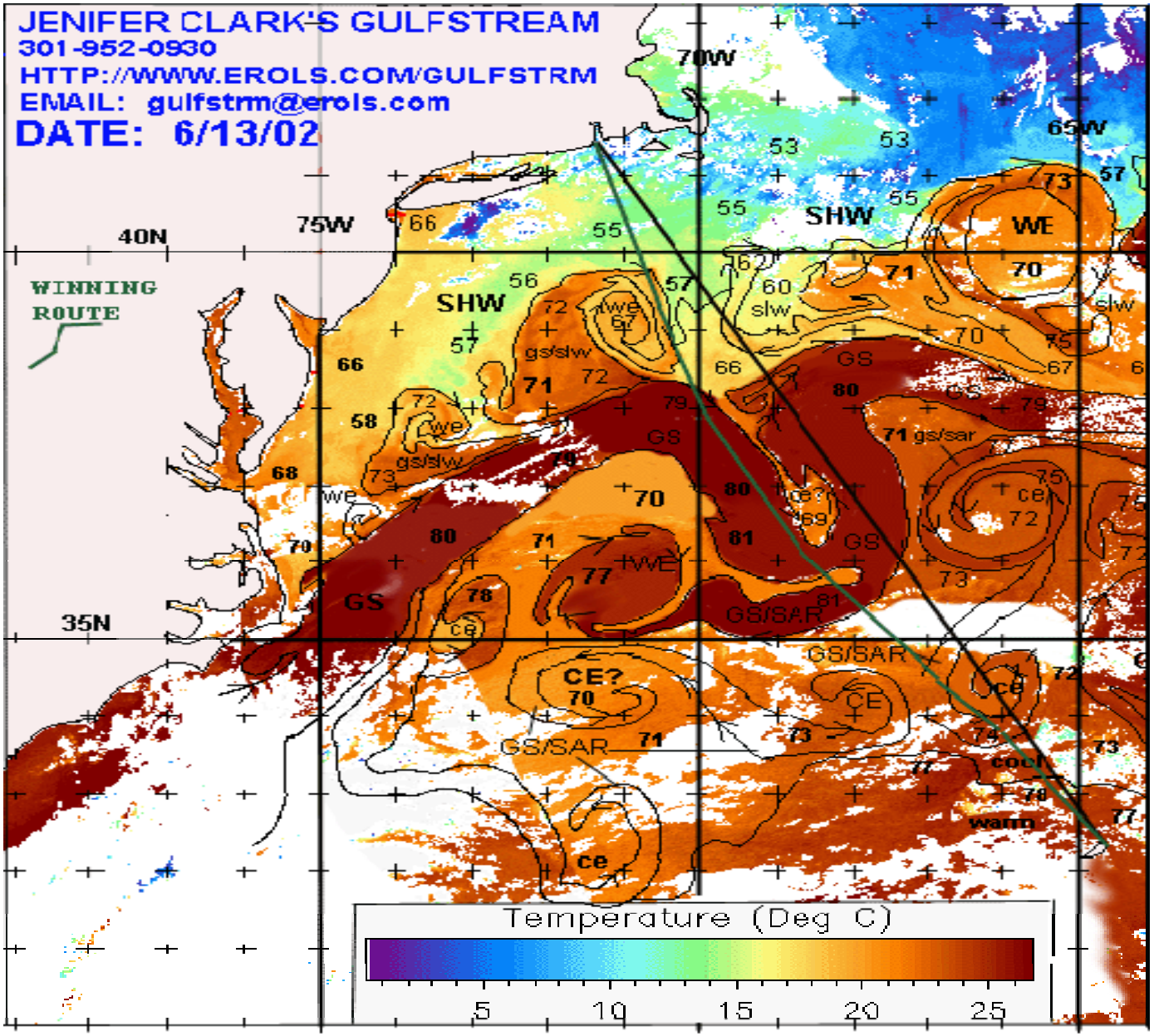


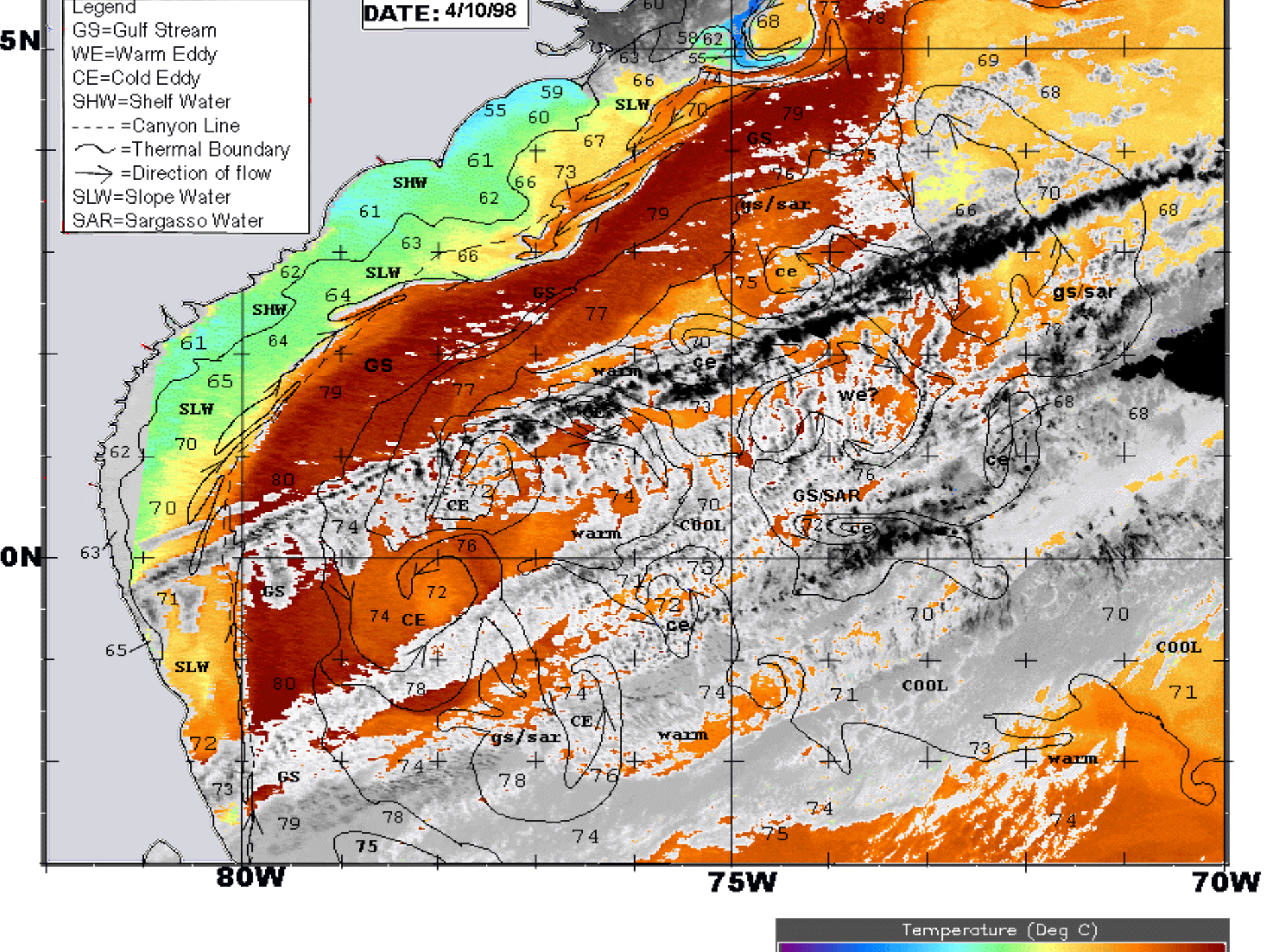
C
L
O
Hy
V
A
BL
Hu
T
Wi
B
W
N
H
1/2
2
1
3
75W
70W
65W

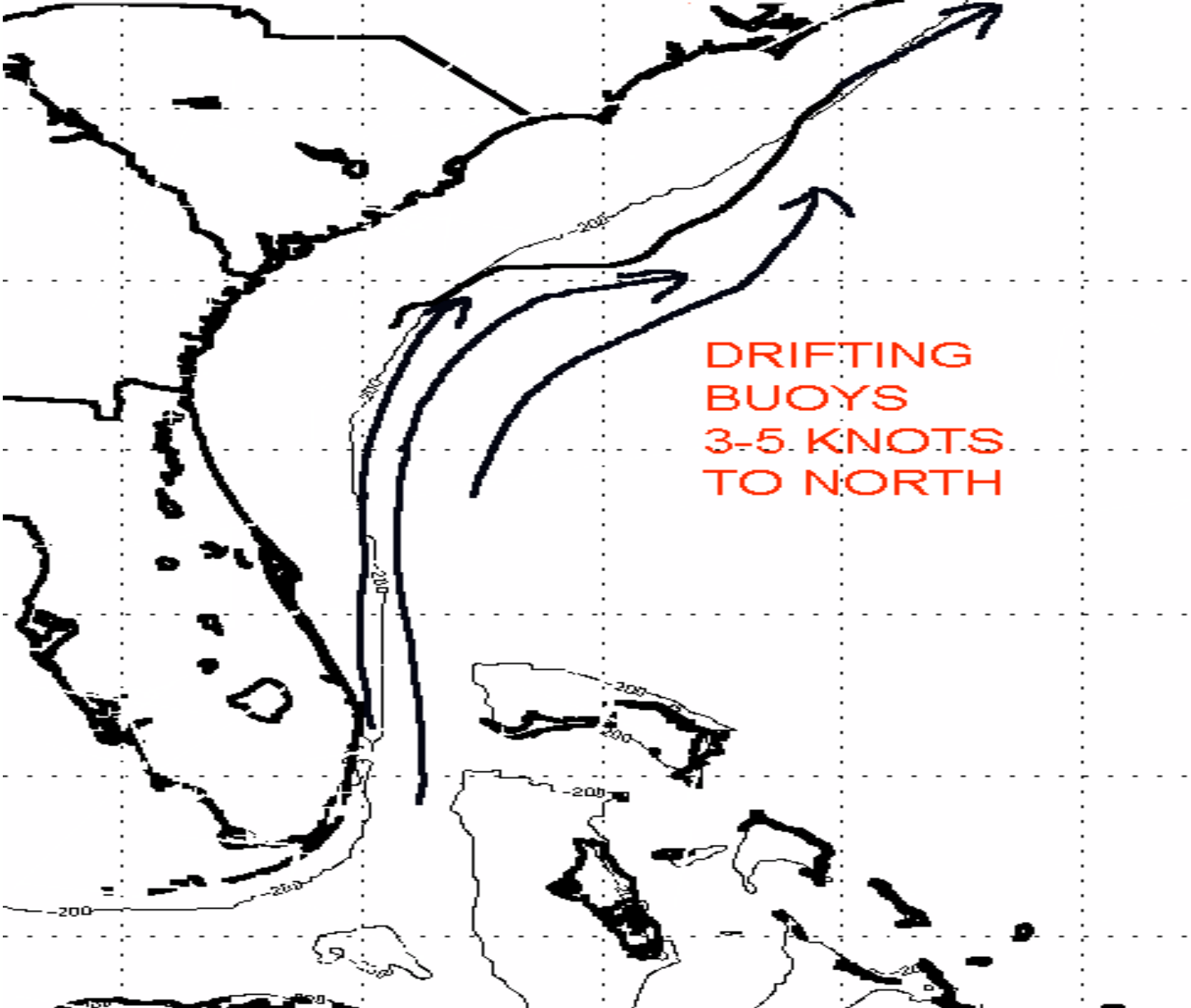

85W
80W
75W
70W
65W
JENIFER CLARK'S GULFSTREAM
Legend
GS = Gulf Stream
WE = Warm Eddy
CE = Cold Eddy
SHW = Shelf Water
SLW = Slope Water
SAR = Sargasso Sea Water
Direction of Flow
Thermal Boundary
Canyon Line
H, N, W Canyon Locations
Hague Line
gulfstrm@erols.com
Phone: (301) 952-0930
Date: 6/4/99
BERMUDA

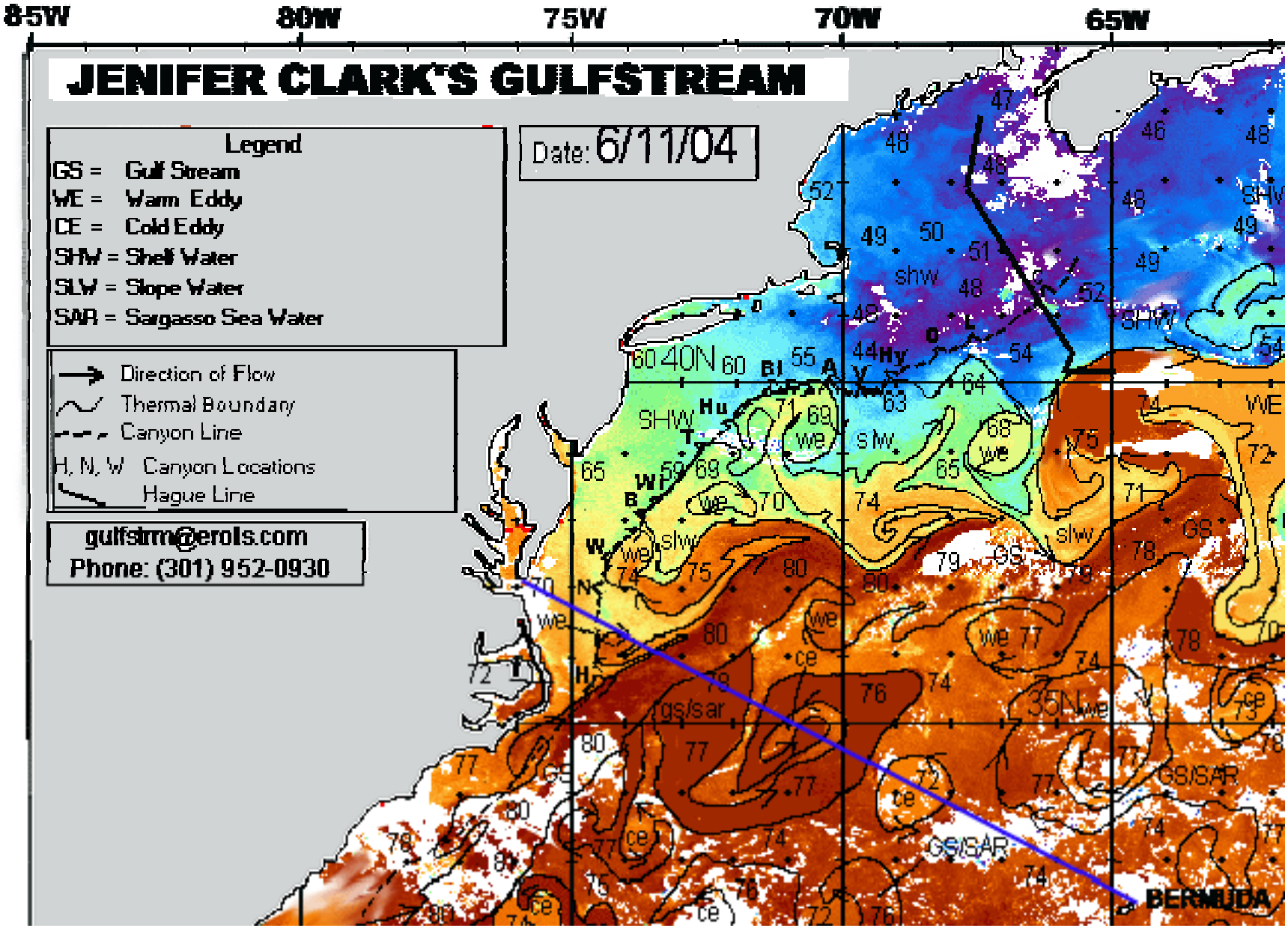

GS =Gulf Stream
CE =Cold Eddy
WE =Warm Eddy
SAR=Sargasso Sea Water
=direction of flow
SHW
SLW
SHW
SHW
SHW
GS
we
we
GS
GS
GS
76
we
GS
GS
gs/sar
CE
40N
35N
75W
70W
65W
Temperature (Deg C)
x=helicopter recovery site

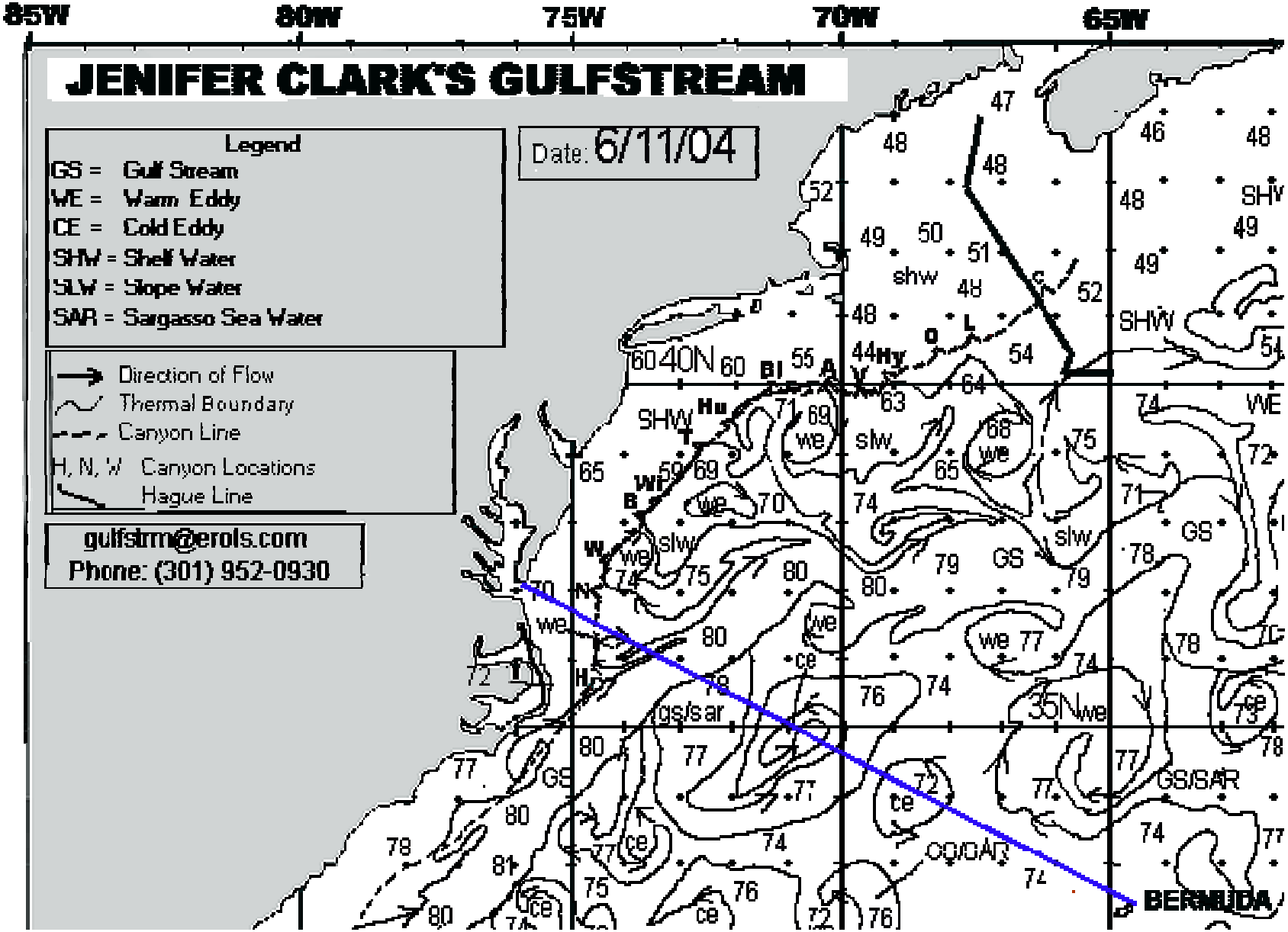
26 11:40

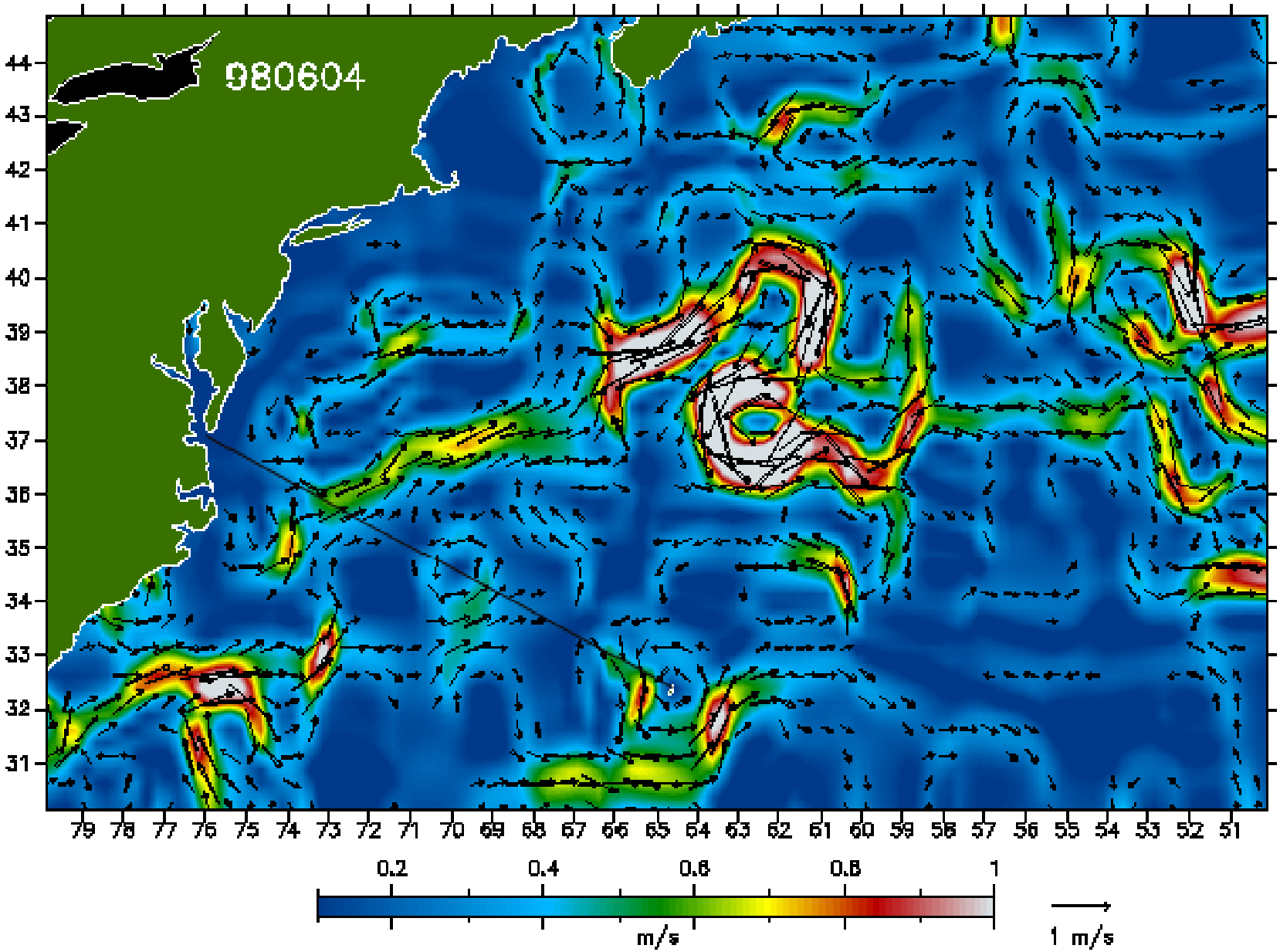

JENIFER CLARK'S GULFSTREAM
301-952-0930
HTTP://WWW.EROLS.COM/GULFSTRM
EMAIL: gulfstrm@erols.com
DATE: 6/13/02
WINNING ROUTE
40N
35N
75W
70W
65W
SHW
WE
GS
GS/SAR
CE?
CE
ce
gs/slw
gs/sar
slw
warm
cool
Temperature (Deg C)
5
10
15
20
25


DATE: 4/10/98
Legend
GS=Gulf Stream
WE=Warm Eddy
CE=Cold Eddy
SHW=Shelf Water
- - - - =Canyon Line
=Thermal Boundary
=Direction of flow
SLW=Slope Water
SAR=Sargasso Water
5N
0N
80W
75W
70W
SHW
SLW
GS
gs/sar
ce
warm
we?
GS/SAR
CE
COOL
Temperature (Deg C)

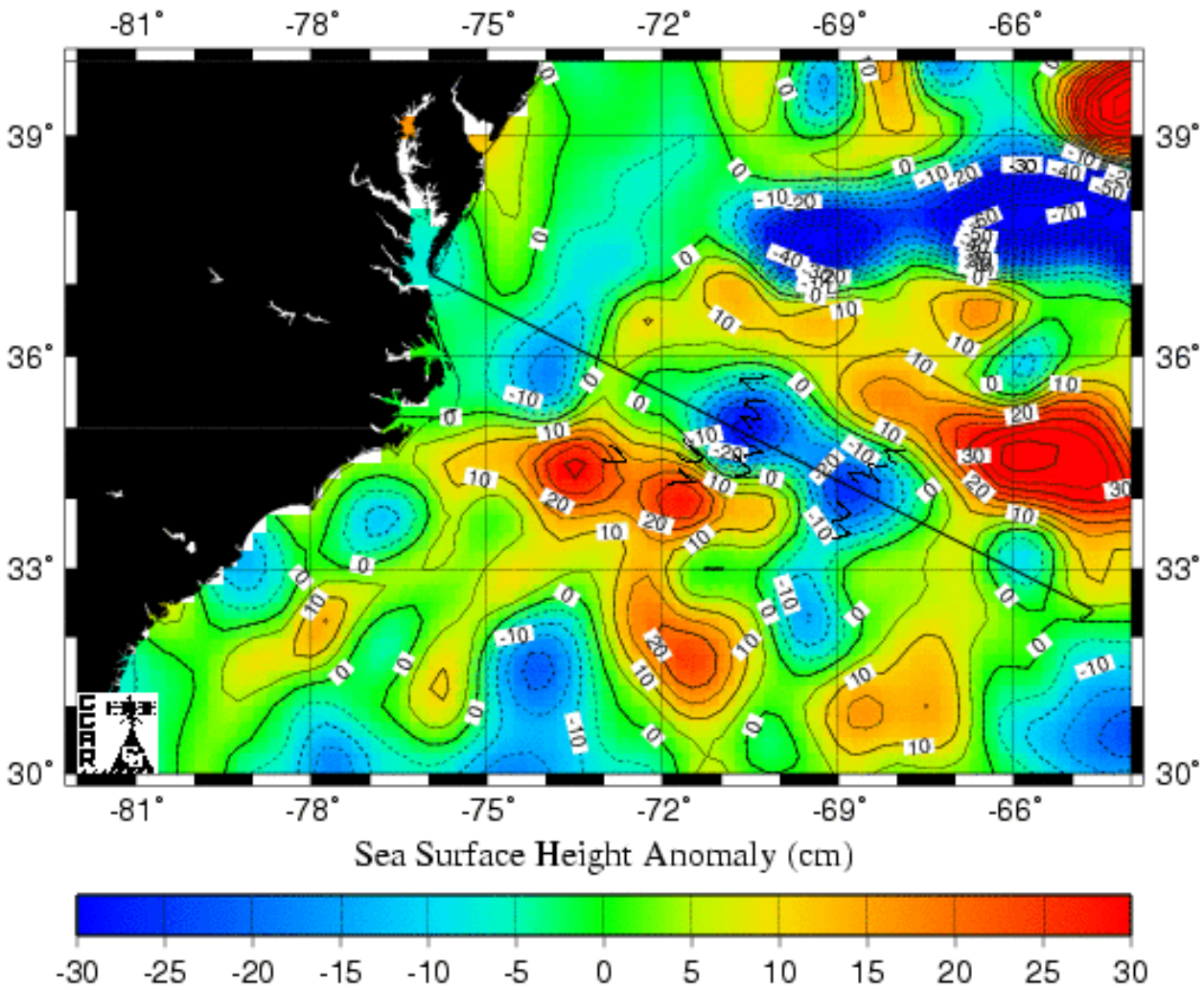

DRIFTING
BUOYS
3-5 KNOTS
TO NORTH
-200
-200
-200
-200
-200
-200
-200
-200

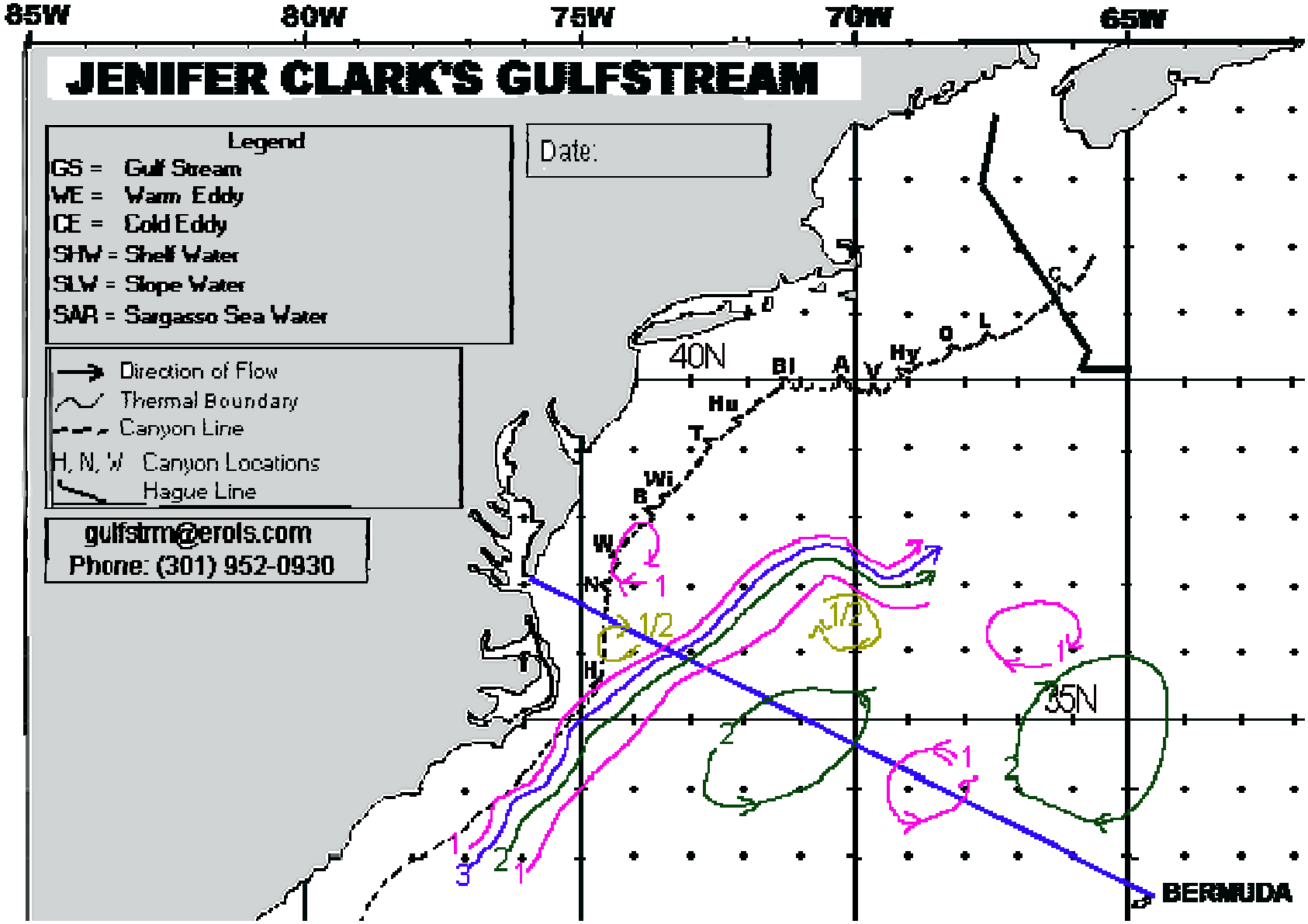

85W
80W
75W
70W
65W
JENIFER CLARK'S GULFSTREAM
Legend
GS = Gulf Stream
WE = Warm Eddy
CE = Cold Eddy
SHW = Shelf Water
SLW = Slope Water
SAR = Sargasso Sea Water
Date: 6/11/04
Direction of Flow
Thermal Boundary
Canyon Line
H, N, W Canyon Locations
Hague Line
gulfstrm@erols.com
Phone: (301) 952-0930
40N
35N
BERMUDA


85W
80W
75W
70W
65W
JENIFER CLARK'S GULFSTREAM
Legend
GS = Gulf Stream
WE = Warm Eddy
CE = Cold Eddy
SHW = Shelf Water
SLW = Slope Water
SAR = Sargasso Sea Water
Direction of Flow
Thermal Boundary
Canyon Line
H, N, W Canyon Locations
Hague Line
gulfstrm@erols.com
Phone: (301) 952-0930
Date: 6/11/04
40N
35N
BERMUDA

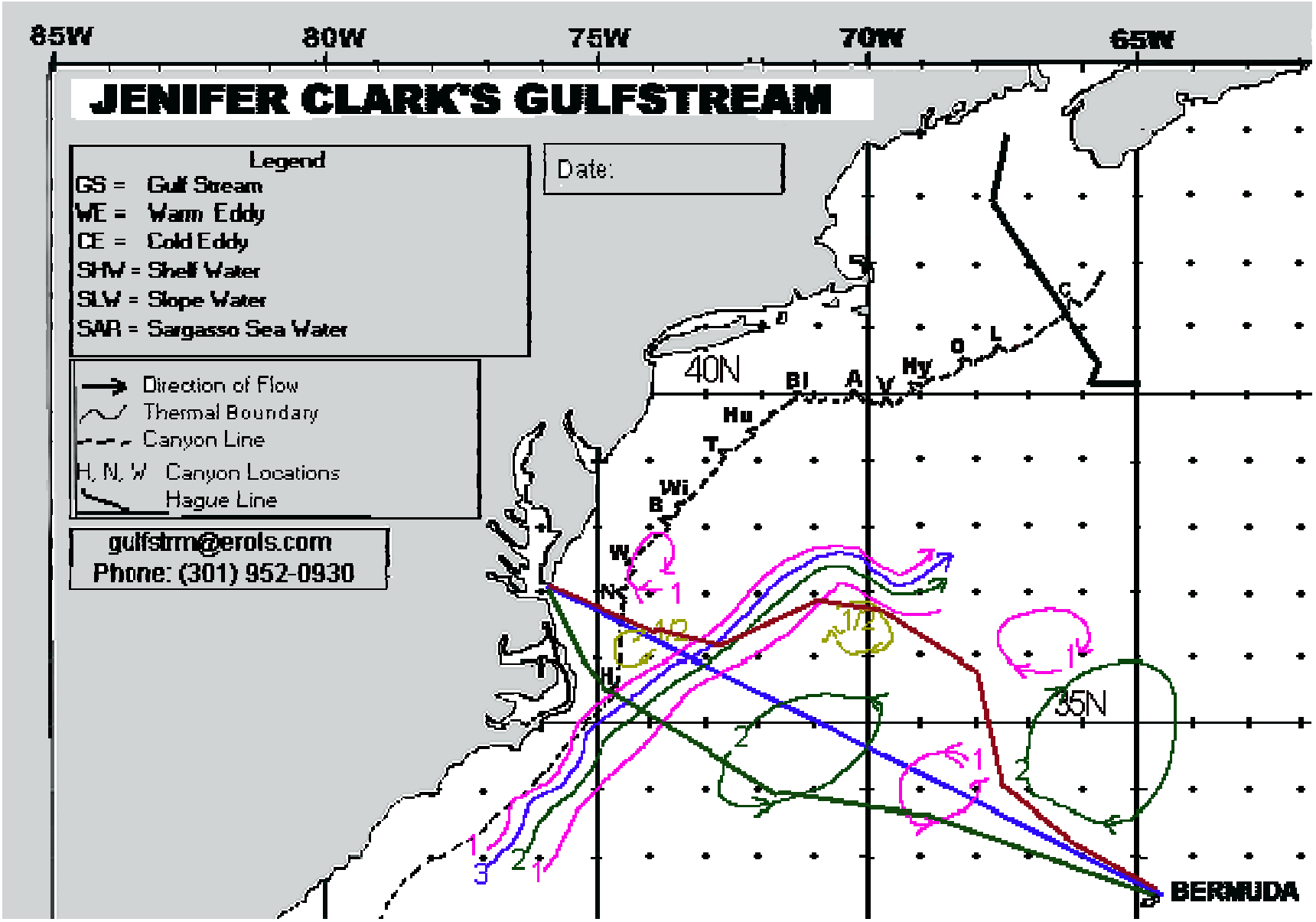

980604
44
43
42
41
40
39
38
37
36
35
34
33
32
31
79 78 77 76 75 74 73 72 71 70 69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51
0.2
0.4
0.6
0.8
1
m/s
1 m/s

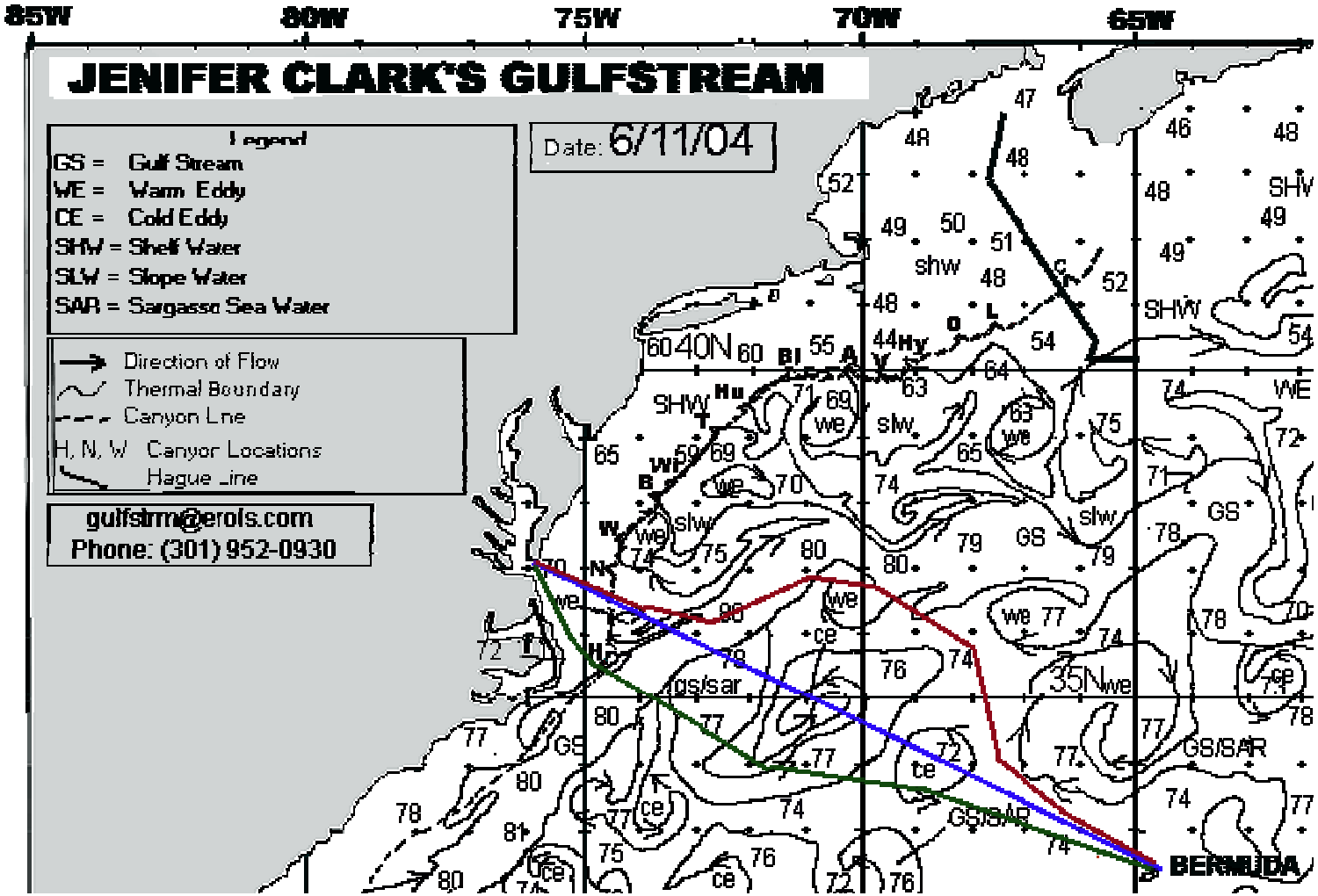
Historical Mesoscale Altimetry - Jun 11, 2004

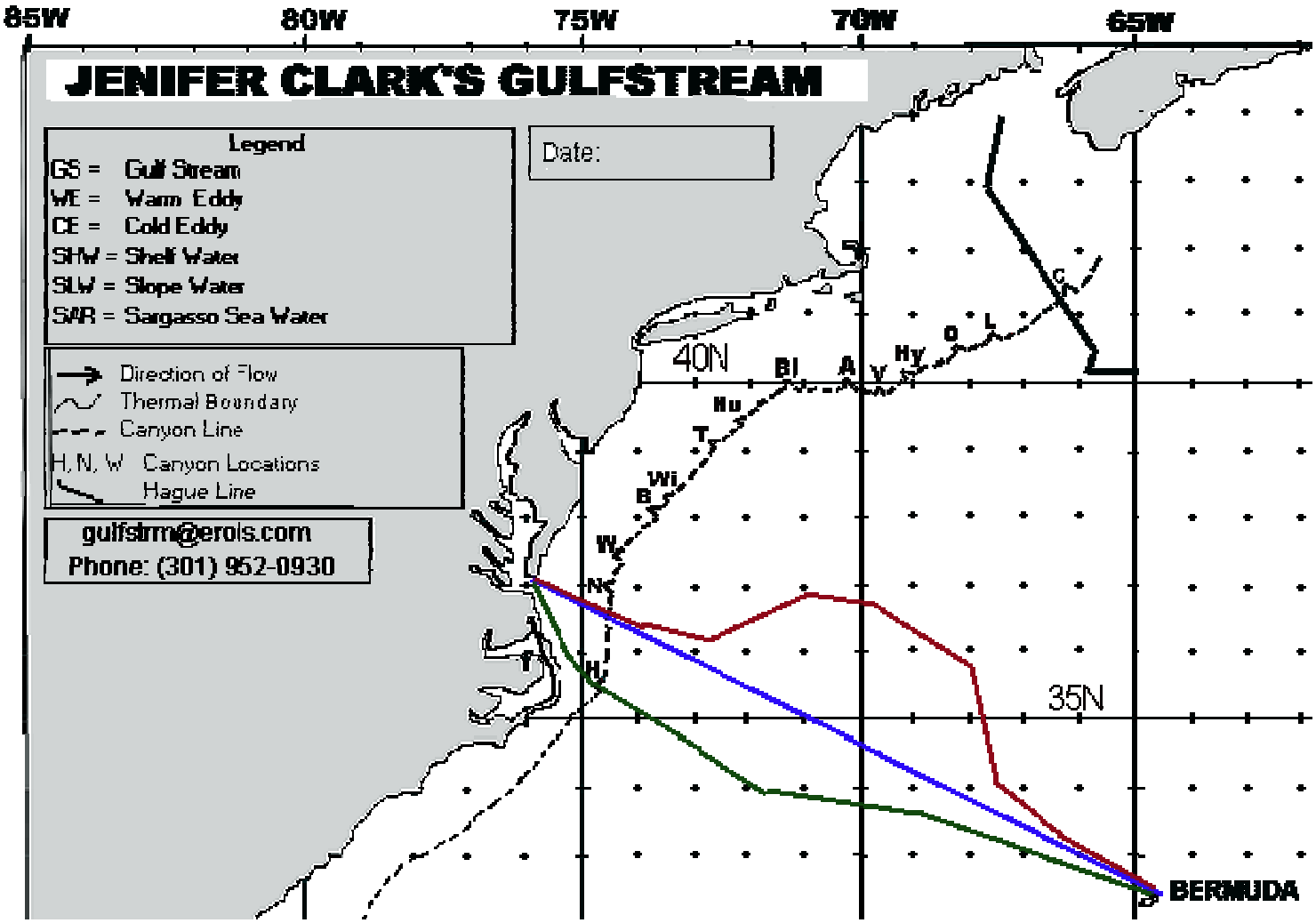


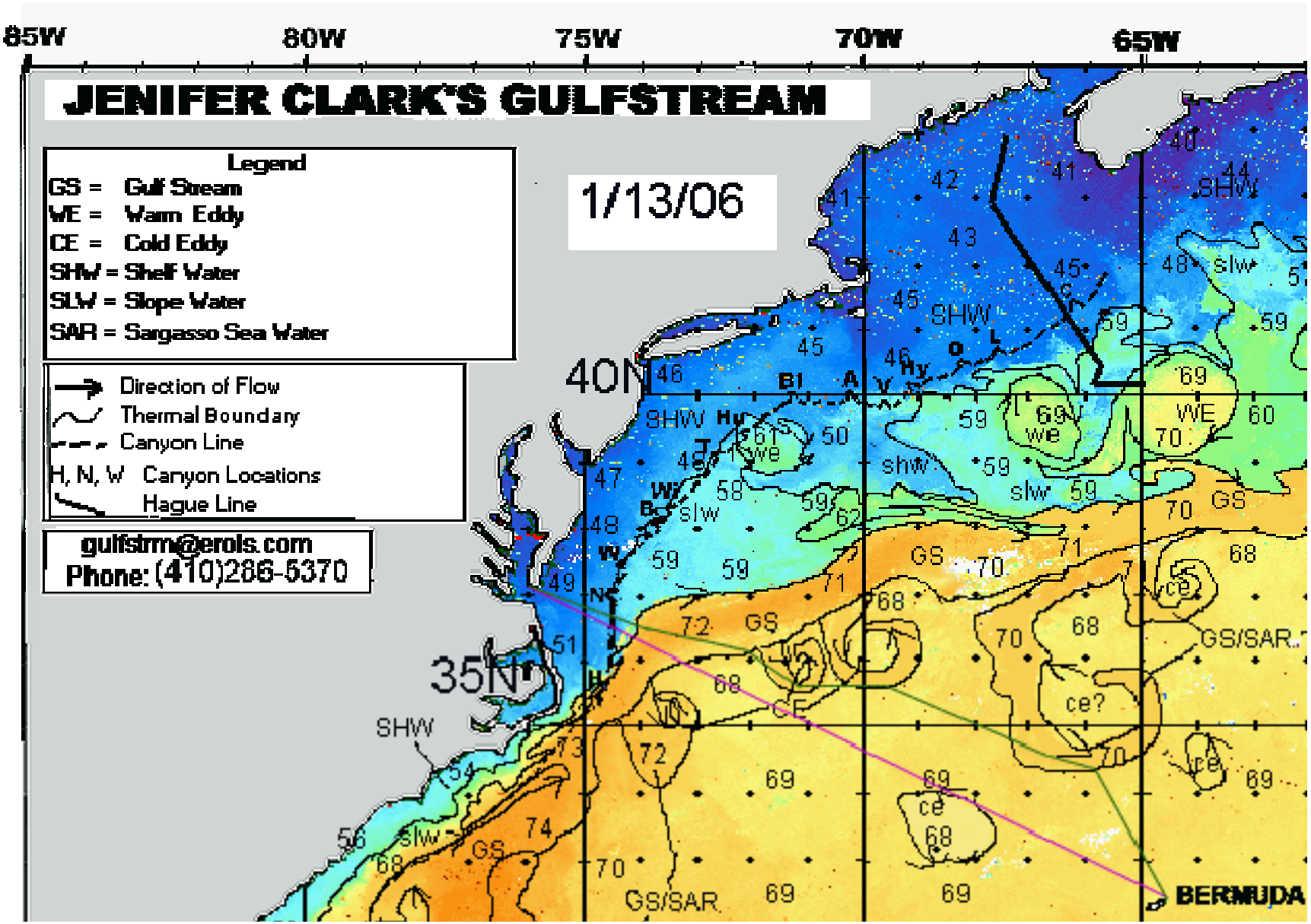


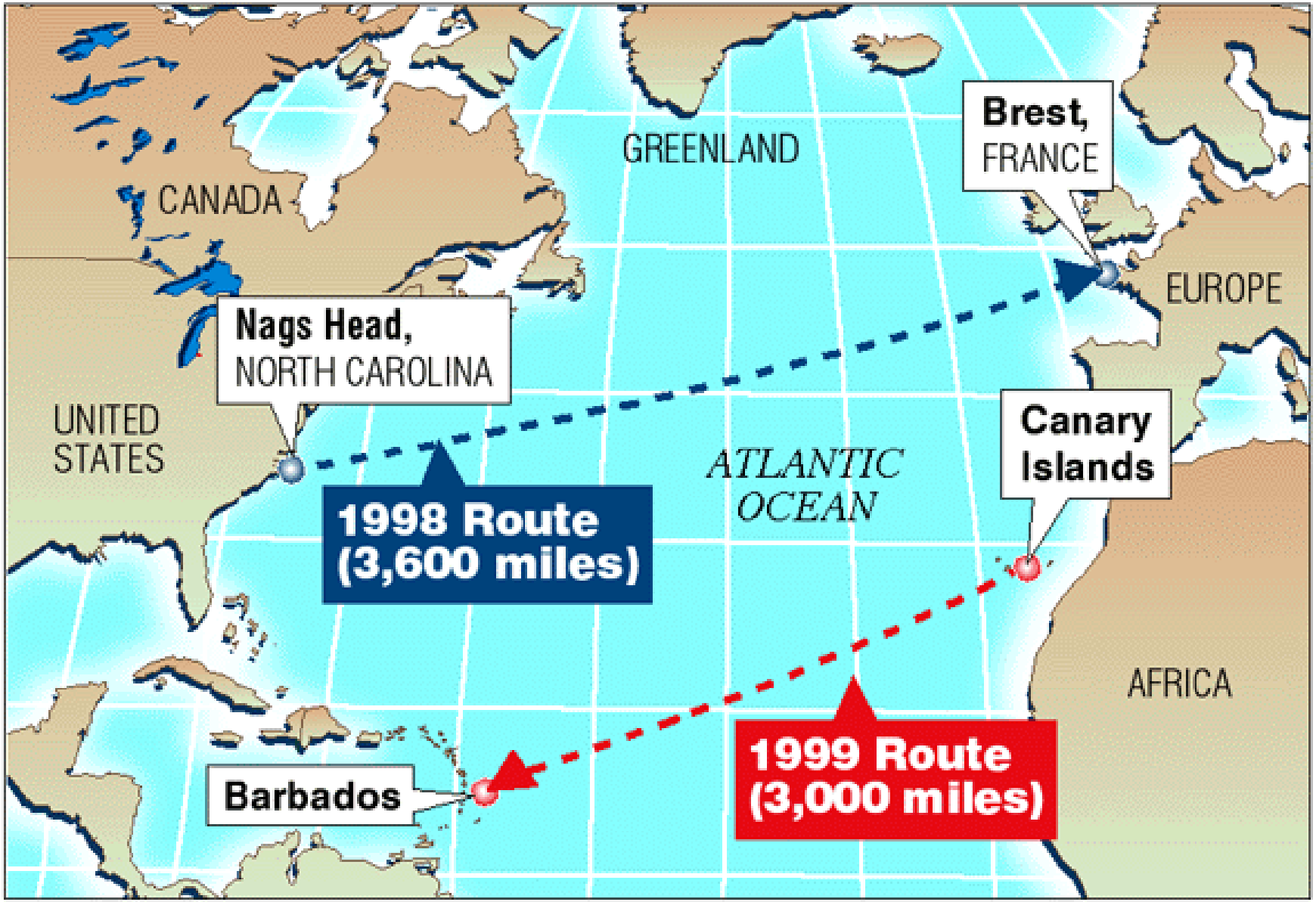
JENIFER CLARK'S GULFSTREAM
Legend
GS = Gulf Stream
WE = Warm Eddy
CE = Cold Eddy
SHW = Shelf Water
SLW = Slope Water
SAR = Sargasso Sea Water
Date:
Direction of Flow
Thermal Boundary
Canyon Line
H, N, W Canyon Locations
Hague Line
gulfstrm@erols.com
Phone: (301) 952-0930
85W
80W
75W
70W
65W
40N
35N
BERMUDA


85W
80W
75W
70W
65W
JENIFER CLARK'S GULFSTREAM
Legend
GS = Gulf Stream
WE = Warm Eddy
CE = Cold Eddy
SHW = Shelf Water
SLW = Slope Water
SAR = Sargasso Sea Water
Date:
Direction of Flow
Thermal Boundary
Canyon Line
H, N, W Canyon Locations
Hague Line
gulfstrm@erols.com
Phone: (301) 952-0930
40N
35N
BERMUDA

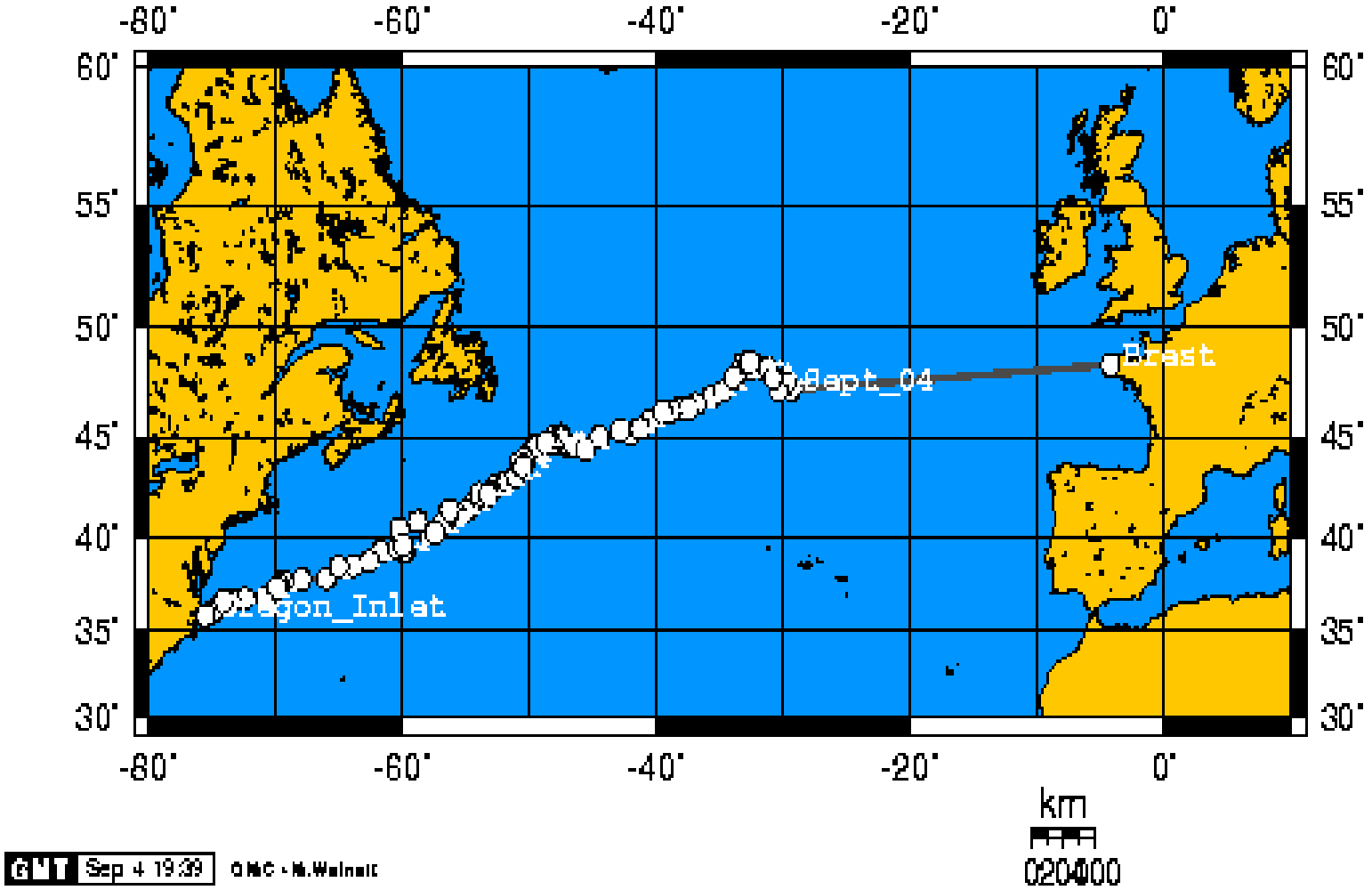

85W
80W
75W
70W
65W
JENIFER CLARK'S GULFSTREAM
Legend
GS = Gulf Stream
WE = Warm Eddy
CE = Cold Eddy
SHW = Shelf Water
SLW = Slope Water
SAR = Sargasso Sea Water
Direction of Flow
Thermal Boundary
Canyon Line
H, N, W Canyon Locations
Hague Line
gulfstrm@erols.com
Phone: (301) 952-0930
Date: 6/11/04
40N
35N
BERMUDA

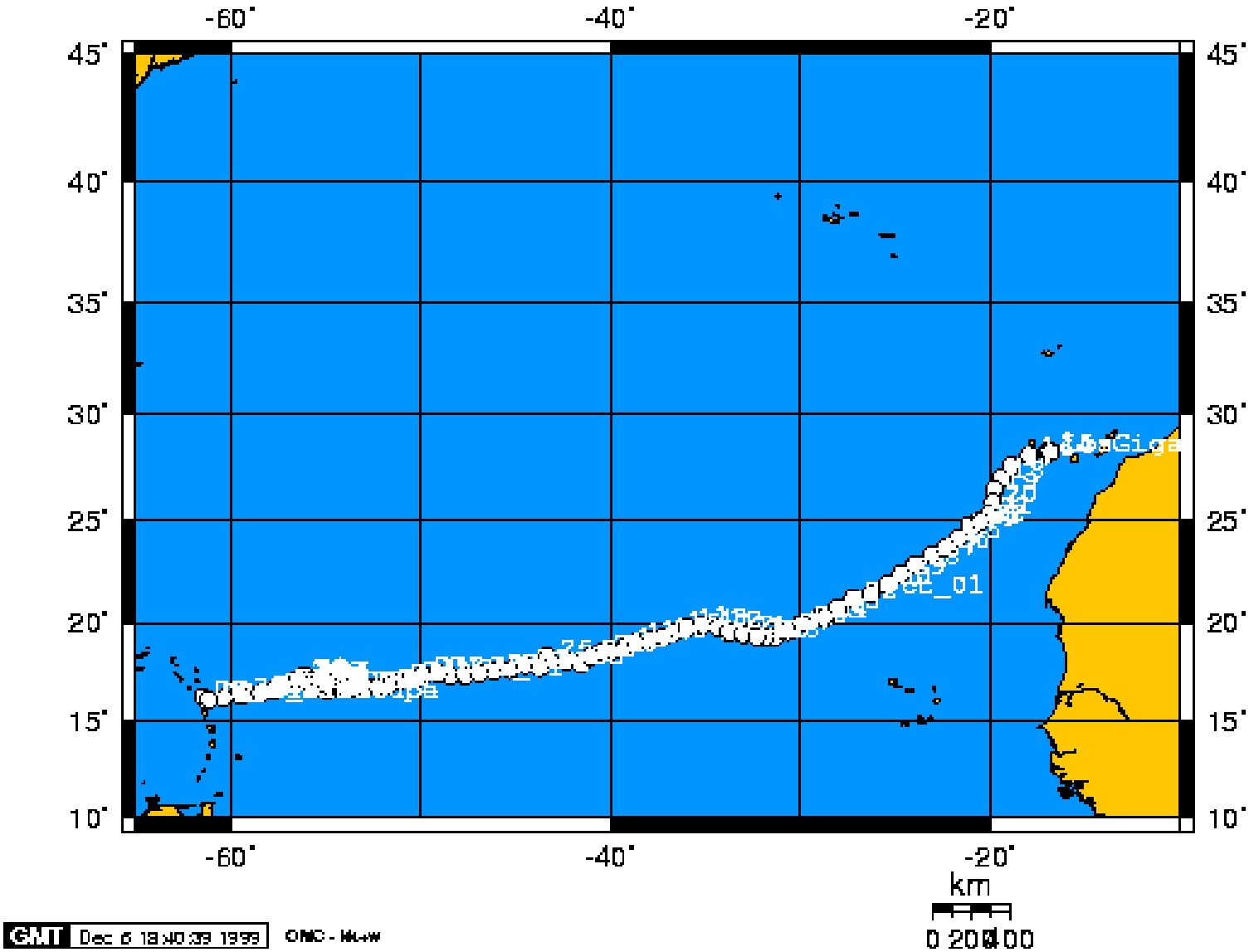

85W
80W
75W
70W
65W
JENIFER CLARK'S GULFSTREAM
Legend
GS = Gulf Stream
WE = Warm Eddy
CE = Cold Eddy
SHW = Shelf Water
SLW = Slope Water
SAR = Sargasso Sea Water
Date:
Direction of Flow
Thermal Boundary
Canyon Line
H, N, W Canyon Locations
Hague Line
gulfstrm@erols.com
Phone: (301) 952-0930
40N
35N
Bl
A
Y
Hy
O
Hu
T
Wi
B
W
N
H
BERMUDA

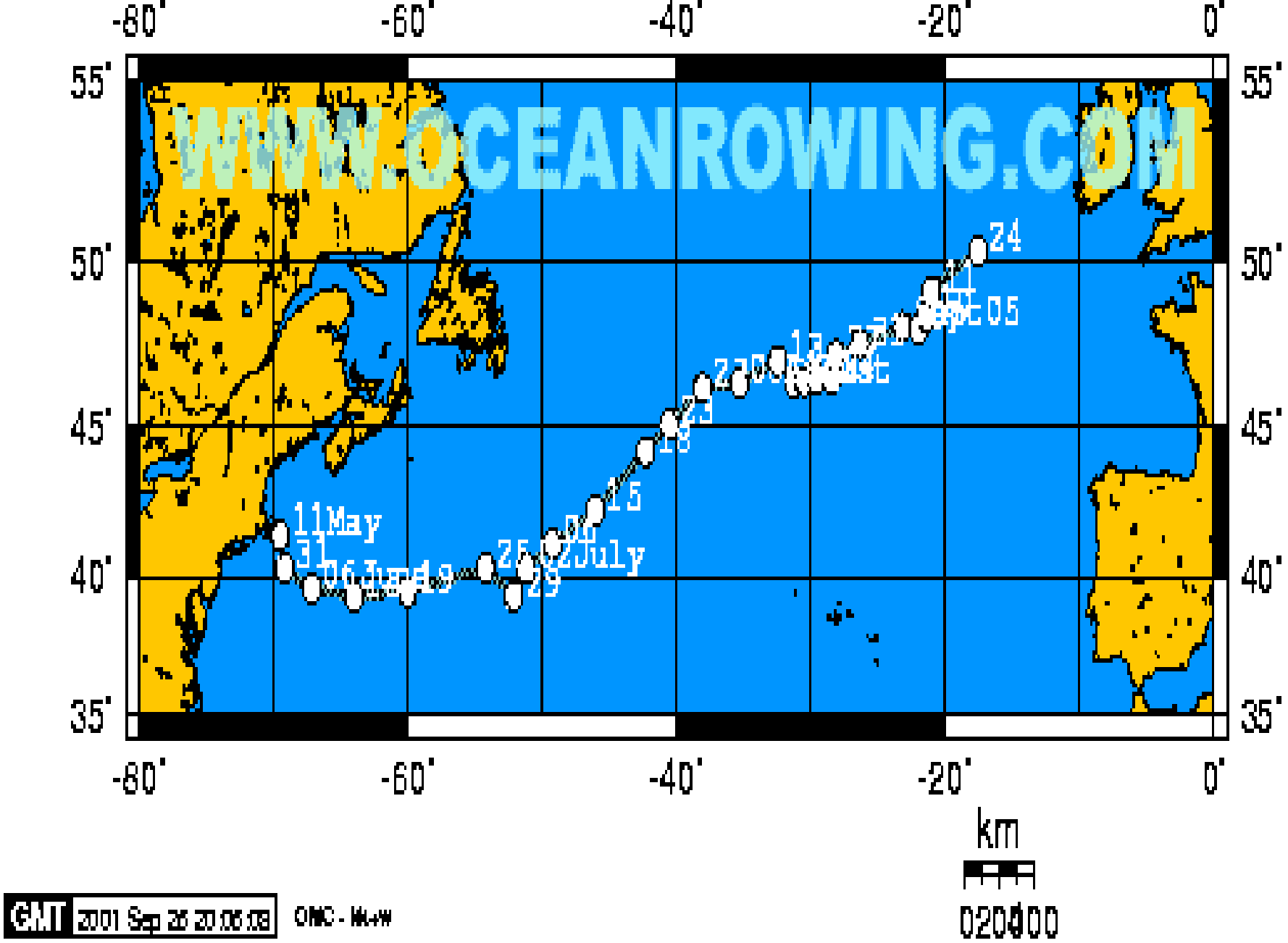

85W
80W
75W
70W
65W
JENIFER CLARK'S GULFSTREAM
Legend
GS = Gulf Stream
WE = Warm Eddy
CE = Cold Eddy
SHW = Shelf Water
SLW = Slope Water
SAR = Sargasso Sea Water
Direction of Flow
Thermal Boundary
Canyon Line
H, N, W Canyon Locations
Hague Line
gulfstrm@erols.com
Phone: (410)286-5370
1/13/06
40N
35N
BERMUDA



BY JOANNE MESHEW, THE COURIER-JOURNAL


-80°
-60°
-40°
-20°
0°
60°
55°
50°
45°
40°
35°
30°
Brest
Sept_04
Dragon_Inlet
km
020400
GMT Sep 4 19:39
OMC - M.Weinelt


-60°
-40°
-20°
45°
40°
35°
30°
25°
20°
15°
10°
km
0 200 400
GMT Dec 6 18:40:39 1999



-80°
-60°
-40°
-20°
0°
55°
50°
45°
40°
35°
WWW.OCEANROWING.COM
11May
31
06Jun
19
25
29
2July
15
18
23
23
17
31
05
24
km
GMT 2001 Sep 26 20:06:08
OMC - NN+W